

**ABSTRACT**

A single-ended-to-differential mixer includes a differential input circuit having a single-ended input. The differential input circuit is responsive to a single-ended input signal to generate first and second signals. The single-ended-to-differential mixer includes a passive tank circuit in communication between a reference voltage and the differential input circuit. The single-ended-to-differential mixer includes a mixer circuit in communication with the differential input circuit and responsive to the first and second signals and a second input signal to generate a differential mixer output signal.